

Title (en)
Pull actuated foam pump

Title (de)
Zugbetriebene Schaumpumpe

Title (fr)
Pompe à mousse actionné par poussée

Publication
EP 2127581 A1 20091202 (EN)

Application
EP 09161415 A 20090528

Priority
US 13019108 P 20080529

Abstract (en)
A foam dispenser includes a refill unit and a dispenser housing. The refill unit carries foamable liquid and provides a liquid pump portion actuated to advance foamable liquid through the dispenser. The dispenser housing provides an air pump portion actuated to advance air through the dispenser. The air pump portion communicates with the liquid pump portion when the refill unit is properly placed in the housing. The liquid pump portion includes a piston housing that reciprocally receives a piston assembly to define a collapsible liquid chamber. Similarly, the air pump portion includes a piston housing that reciprocally receives a piston assembly to define a collapsible air chamber. Upon actuation of the dispenser, both the liquid chamber and the air chamber collapse and thereby feed air and liquid to an extrusion chamber, and extrude the mixture of air and liquid therein through a premix chamber and at least one mesh screen. The pump is actuated by pulling the piston assembly away from the piston housing, and this is particularly advantageous in the art of wall-mounted dispensers employing push bars typically moved horizontally toward a foam pump to actuate the same.

IPC 8 full level
A47K 5/14 (2006.01); **B67D 7/76** (2010.01); **B05B 7/00** (2006.01)

CPC (source: EP US)
A47K 5/14 (2013.01 - EP US); **B05B 7/0037** (2013.01 - EP US); **B05B 11/1047** (2023.01 - EP US); **B05B 11/1052** (2023.01 - EP US); **B05B 11/1074** (2023.01 - EP US); **B05B 11/1087** (2023.01 - EP US); **B05B 11/1097** (2023.01 - EP US)

Citation (applicant)
• EP 1719441 A1 20061108 - JOHNSON DIVERSEY INC [US]
• GB 2437510 A 20071031 - PACKAGING INNOVATION LTD [GB]

Citation (search report)
• [XA] GB 2437510 A 20071031 - PACKAGING INNOVATION LTD [GB]
• [A] EP 1719441 A1 20061108 - JOHNSON DIVERSEY INC [US]

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CN103874443A; CN104411412A; CN102858215A; EP2566377A4; EP2716196A1; CN103976671A; EP3738677A1; US11713182B2; US8955769B2; WO2013082579A1; TWI572309B; WO2020229713A1

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